

Converting Colors

$Y_{xy}(21.2824, 0.3512, 0.2885)$

Have a look what the booklet for
Yxy(21.2824, 0.3512, 0.2885)
contains.

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Color

Yxy(21.2820, 0.3522, 0.2891)

Conversions

Conversions Part 1

Format	Color
Hex	A66F89
RGB	166, 111, 137
RGB Percent	65%, 44%, 54%
CMY	0.3490, 0.5647, 0.4628
CMYK	0.00, 0.33, 0.17, 0.35
HSL	332°, 24%, 54%
HSV	332°, 33%, 65%
XYZ	25.9271, 21.2820, 26.4056
YIQ	130.4090, 24.4340, 19.7460

Conversions

Conversions Part 2

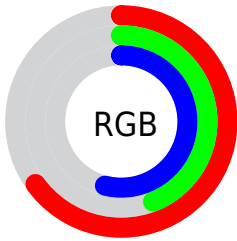
Format	Color
RYB	166, 111, 137
Decimal	10907529
CIELab	53.26, 25.75, -5.31
CIELCh	53, 26.293, 348.341
Yxy	21.2820, 0.3522, 0.2891
Android (android.graphics.Color)	4289097609 (0xFFA66F89)
YUV	130.4090, 3.2494, 31.2133
Hunter-Lab	46.1324, 19.5878, -1.6441

Details

The Yxy color $21.2820, 0.3522, 0.2891$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $32.5503, 0.2857, 0.3730$, and the grayscale version is $22.4579, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.4417, 0.3440, 0.2976$, and $7.6441, 0.3682, 0.2745$ is the 20% darker color. If you saturate the color by 10%, you get $17.7494, 0.3693, 0.2769$, and if you desaturate by 10%, it is $25.5102, 0.3377, 0.3016$.

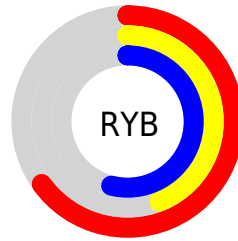
Distribution



Red (65%)

Green (44%)

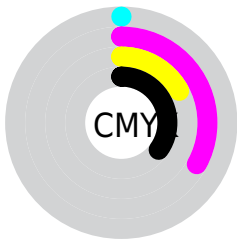
Blue (54%)



Red (65%)

Yellow (44%)

Blue (54%)

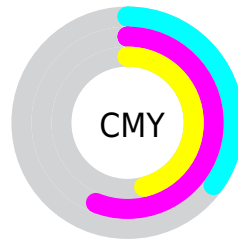


Cyan (0%)

Magenta (33%)

Yellow (17%)

Black (35%)



Cyan (35%)


Magenta (56%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2820, 0.3522, 0.2891 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 21.2820, 0.3522, 0.2891 by changing the saturation by 10% instead.


 21.2820, 0.3522,
0.2891


 21.2820, 0.3522,
0.2891


258.7734, 0.3302,
0.3111

 13.3303, 0.3586,
0.2828


 45.5564, 0.3436,
0.2976


 7.6564, 0.3675,
0.2743


 62.6479, 0.3405,
0.3007

 3.8759, 0.3806,
0.2618

 83.5547, 0.3380,
0.3032

 1.6044, 0.4019,
0.2421

 108.6613, 0.3360,
0.3052

 0.3605, 0.4652,
0.1715

138.3521, 0.3342,
0.3070

 0.0000, 0.0000,
0.0000

173.0114, 0.3327,

0.3086

213.0237, 0.3313,
0.3099

■ 21.2820, 0.3522,
0.2891

■ 21.2820, 0.3522,
0.2891

■ 17.7494, 0.3693,
0.2769

■ 25.5102, 0.3377,
0.3016

■ 14.8717, 0.3893,
0.2656

■ 30.4660, 0.3256,
0.3138

■ 12.6083, 0.4119,
0.2563


■ 36.1830, 0.3155,
0.3255


■ 10.9129, 0.4366,
0.2502


■ 42.6919, 0.3072,
0.3364


■ 9.7325, 0.4626,
0.2483

■ 50.0214, 0.3003,
0.3466

 9.0040, 0.4884,
0.2517

 58.1990, 0.2946,
0.3559

 8.6647, 0.5058,
0.2560

 67.2509, 0.2899,
0.3645

 77.2022, 0.2860,
0.3724

 84.5761, 0.2823,
0.3739

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.2820, 0.3035, 0.2638



21.2820, 0.3522, 0.2891



21.2820, 0.3917, 0.3239

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.2820, 0.3522, 0.2891



21.2820, 0.3621, 0.4145



21.2820, 0.2258, 0.2847

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.2820, 0.3522, 0.2891



32.5503, 0.2857, 0.3730

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.2820, 0.2388, 0.3265



21.2820, 0.3522, 0.2891



21.2820, 0.3160, 0.4078

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.2820, 0.3522, 0.2891



21.2820, 0.3965, 0.3956



21.2820, 0.2711, 0.3738



21.2820, 0.2335, 0.2593

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.2820, 0.3522, 0.2891



21.2820, 0.4058, 0.3494



21.2820, 0.2711, 0.3738



21.2820, 0.2278, 0.2971

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.2830, 0.3522, 0.2891



58.2004, 0.3224, 0.3173



19.6478, 0.2854, 0.2408



12.7218, 0.3238, 0.3157



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.2830, 0.3522, 0.2891



33.6329, 0.3650, 0.2797



20.8258, 0.3871, 0.3307



7.5991, 0.3215, 0.3184



6.7273, 0.5037, 0.2549



0.1741, 0.4285, 0.2134

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.2830, 0.3522, 0.2891



33.6329, 0.3650, 0.2797



33.0777, 0.2664, 0.3274



7.5991, 0.3215, 0.3184



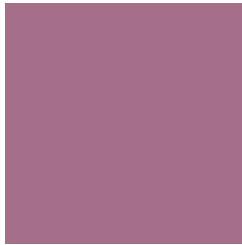
6.7273, 0.5037, 0.2549



0.1741, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 21.2820, 0.3522, 0.2891 looks on a white background.

Color Contrast Check

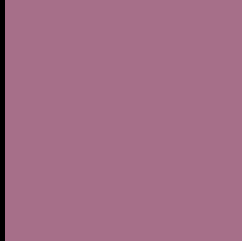
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.2820, 0.3522, 0.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

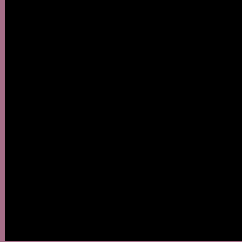
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.2820, 0.3522, 0.2891

Background



This preview shows how black text looks on a background with the Yxy color 21.2820, 0.3522, 0.2891.



This preview shows how white text looks on a background with the Yxy color 21.2820, 0.3522, 0.2891.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.2820, 0.3522, 0.2891

Protanopia

21.5704, 0.2884, 0.2939

Deuteranopia

21.4829, 0.3160, 0.3100



Tritanopia

21.3323, 0.3686, 0.3165

Trichromacy



Original Color

21.2820, 0.3522, 0.2891

Protanomaly

21.1469, 0.3097, 0.2918

Deuteranomaly

21.2671, 0.3289, 0.3008

Tritanomaly

21.3419, 0.3636, 0.3072

Monochromacy



Original Color

21.2820, 0.3522, 0.2891

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.6990, 0.3257, 0.3121

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2820, 0.3522, 0.2891 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(166, 111, 137)` looks like.

```
.text, #text, p{  
    color:rgb(166, 111, 137)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(166, 111, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 111, 137) }
```

Border

The CSS property to change the border of an element to Yxy 21.2820, 0.3522, 0.2891 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 111, 137) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(166, 111, 137) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(166, 111, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 111, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 111, 137);  
box-shadow:4px 4px 4px 4px rgb(166, 111,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2820, 0.3522, 0.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 111, 137) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(166,  
111, 137) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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